

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant : Hubert Köster, Ph.D.

Art Unit : 1639

Serial No. : 10/760,085

Examiner : Su Xu Liu

Confirmation No.: 8019

Customer No.: 77202

Filed : January 16, 2004

Title : **CAPTURE COMPOUNDS, COLLECTIONS THEREOF AND METHODS  
FOR ANALYZING THE PROTEOME AND COMPLEX COMPOSITIONS**

**Mail Stop Amendment**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT IN  
ACCORDANCE WITH 37 C.F.R. §§ 1.97-1.98**

Dear Sir:

Because this Supplemental Information Disclosure Statement is filed after the receipt of a First Office Action on the Merits for the above-captioned application, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 02-1818.

In accordance with the duty of disclosure imposed by 37 C.F.R. §1.56 to inform the Patent Office of all information known by Applicant or Applicant's representative that may be material to the examination of the subject application, Applicant's representative hereby provides this Supplemental Information Disclosure Statement that is prepared in accordance with 37 C.F.R. §§1.97-1.98. Form PTO-1449 (1 page) and copies of the cited non U.S. Patent documents are provided herewith in connection with the above-captioned application.

The documents cited on the Forms PTO-1449 are in the English language, with the exception of the item noted below. Item AF (JP-A-11-44647) is in the Japanese language and an English equivalent (5,812,272) was provided in the Information Disclosure Statement filed December 7, 2004 (Item AB). Hence, in accordance with the requirements of 37 C.F.R. §1.98, as amended effective March 16, 1992, no further explanation of the listed items is necessary.

In accordance with the duty of disclosure imposed by 37 C.F.R. §1.56 to inform the Patent Office of all information known by Applicant or Applicant's representative that may be material to the examination of the subject application, this Supplemental Information Disclosure Statement (sIDS) includes a Search Report and Examination Reports issued in

**CERTIFICATE OF MAILING BY "EXPRESS MAIL"**

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Date of Deposit May 27, 2009

I hereby certify that this paper is being deposited with the United States Postal "Express Mail Post Office to Addressee" Service under 37 CFR §1.10 on the date indicated above and is addressed to: Commissioner for Patents, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Christopher Ochs

connection with related and corresponding Foreign Patent Applications (Documents 1-3), and other documents, including subsequent publications by inventors of this application:

1) Examination Report (with English translation), issued September 25, 2008, in connection with Japanese Patent Application Serial No. 2006-500969 (Attorney Docket No. 0119368-00033/2309JP), which is a National Stage entry of International Patent Application No. PCT/US2004/001037.

2) Search Report, issued November 11, 2008, in connection with Singapore Patent Application No. 200719016-8 (Attorney Docket No. 0119368-00036/ 2309BSG), which is a divisional of Singapore Patent Application No. 200504446-6.

3) Examination Report, issued April 16, 2009, in connection with European Patent Application Serial No. 04702919.4 (Attorney Docket No. 0119368-00026/2309EP), which is a National Stage entry of International Patent Application No. PCT/US2004/001037.

The table below lists Documents 1-15 and includes a column that provides a space next to the document to be considered, for the Examiner's initials. This Supplemental Information Disclosure Statement includes the application number of the application in which the IDS is being submitted, a column that provides a blank space next to each citation for the Examiner's initials, a heading on the listing that clearly indicates the list is an Information Disclosure Statement, and copies of Documents 1-15. Therefore, this sIDS is in compliance with 37 CFR §§ 1.97, 1.98 and MPEP § 609 and Applicant respectfully requests that Examiner consider and initial all information listed in the table below.

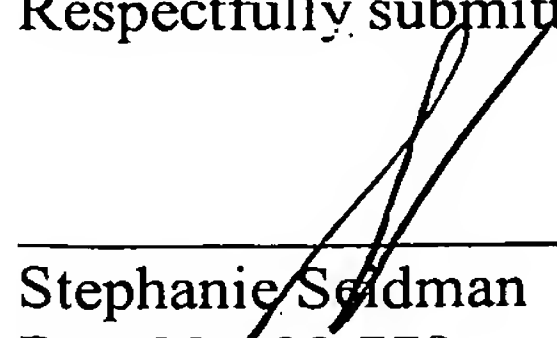
Examiner Initial	Document No.	Document
	1	Examination Report (with English translation), issued September 25, 2008, in connection with Japanese Patent Application Serial No. 2006-500969.
	2	Search Report, issued November 11, 2008 in connection with Singapore Patent Application Serial No. 200719016-8.
	3	Examination Report, issued April 16, 2009 in connection with European Patent Application Serial No. 04702919.4.
	4	Dalhoff et al., "Capture compounds for the methylome analysis", FEBS Workshop Poster, Aussois, France, Sept 11-16 (2007).
	5	Köster et al., "Capture compound mass spectrometry: a technology for the investigation of small molecule protein interactions", Assay Drug Dev. Technol. 5(3):381-390 (2007).
	6	Dalhoff et al., "Functionality directed reduction of proteome complexity" Poster Presentation, 7th Annual World Congress HUPO, August 2008.
	7	"CCMS technology enables improved proteomic analysis through functional isolation of sub-proteomes", Caprotec Application Note (2008).
	8	"Improved proteomics through functional isolation of proteins", Caprotec Flyer (2008).

Examiner Initial	Document No.	Document
	9	"Improve knowledge about drug-protein interaction", Caprotec Flyer (2008).
	10	"Towards the isolation of small molecule binding subproteomes", Caprotec Presentation, September 2008.
	11	Duelsner et al., "Small molecule capture compounds - towards a targeted reduction of proteome complexity", Poster Presentation, 5th Annual US HUPO, February 2009.
	12	Duelsner et al., "Small molecule capture compounds - towards a targeted reduction of proteome complexity", Poster Presentation, Proteomic Forum, March 2009.
	13	Fischer et al., "Capture compound technology (CCMS) unravels the molecular mechanisms causing hepatotoxicity of two drugs in Parkinson's Disease", Oral Presentation, Proteomic Forum, March 2009.
	14	Lenz et al., "Capture compound mass spectrometry: photoinduced functional isolation and identification of S-adenosyl-L-methionine binding proteins from Escherichia coli DH5 $\alpha$ whole cell lysate", Poster Presentation, Proteomic Forum, March 2009.
	15	Luo et al., "cAMP capture compounds: a novel tool for the discovery and profiling of cAMP-binding proteins", Poster Presentation, Proteomic Forum, March 2009.

Although these documents are made known to the Patent and Trademark Office in compliance with Applicant's duty of disclosure, such disclosure is not to be construed as an admission by Applicant or Applicant's representative that any of the information, singly or in any combination thereof, is effective as prior art against the subject application. In accordance with 37 C.F.R. §1.97(g) and (h), the filing of this Supplemental Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. §1.56(b) exists.

Applicant respectfully requests that the Examiner review the foregoing references and they be made of record in the file history of the above-captioned application.

Respectfully submitted,

  
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